

QUINTANA PETROLEUM CORPORATION

818 17TH STREET
SUITE 610
DENVER, COLORADO 80202
(303) 628-9211

November 5, 1985

Bureau of Land Management
P. O. Box 7
Monticello, UT 84535

Re: Monument Butte Federal #1-8
Section 8, T36S-R25E
San Juan County, Utah

Crossbed Unit Federal #1-17
Section 17, T36S-R23E
San Juan County, Utah

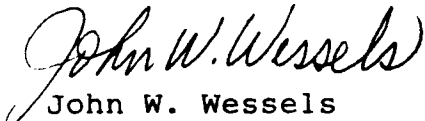
Gentlemen:

This letter is to inform you that Permitco is authorized to act as Agent and to sign documents on behalf of Quintana Petroleum Corporation when necessary for filing county, state and federal permits including Onshore Order No. 1, Right-of-Way applications, etc. for the referenced wells.

It should be understood that Permitco is acting as Agent only in those matters stated above and is not responsible for drilling, completion, production or compliance with regulations.

Quintana Petroleum Corporation agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above-mentioned wells.

Very truly yours,



John W. Wessels
District Operations Manager

cc: Lisa Green - Permitco

JWW:jp

Form 3160-8
(November 1983)
(Formerly 9-1123)

(Submit in triplicate to appropriate
BLM District Office)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: Moab Utah Office
SERIAL NO.: U-56572

and hereby designates

NAME: Quintana Petroleum Corporation
ADDRESS: 818 17th Street, Suite 610
Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

T 36 S., R 25 E

Section 8: All


San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

COMBON J. ROBERTSON

By: 

(Signature of lessee)

Marvin H. Morris, Agent and Attorney-in-Fact
601 Jefferson Street, 38th Floor-Dresser Tower,
P. O. Box 3331, Houston, Texas 77253

NOV 6 1985

(Date)

(Address)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and theretodoes not require OMB approval.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-56572	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Quintana Petroleum Corp. c/o Permitco Inc. (303)595-4051		7. UNIT AGREEMENT NAME N/A	
3. ADDRESS OF OPERATOR 1020 15th Street Suite 22-E Denver, CO 80202		8. FARM OR LEASE NAME Monument Butte	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 597' FSL & 2107' FWL At proposed prod. zone		9. WELL NO. 1-8	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12.5 miles south of Eastland, Utah		10. FIELD AND POOL, OR WILDCAT WILDCAT	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 597'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8, T36S - R25E	
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE Utah	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. none		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6449' GR		22. APPROX. DATE WORK WILL START* Immediately upon approval	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	9 5/8"	36#	2009'
8 3/4"	5 1/2"	15.5	5070'
		QUANTITY OF CEMENT	
		572 SX or suffic. to circ.	
		260 SX or suffic. to cover zone of interest	

Quintana Petroleum Corp proposes to drill a well to 5070 feet to test the Upper Hermosa formation. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1, attached.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE 11/26/85
BY John R. Dyer
WELL SPACING: 6-3(B)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED David L. Kuer TITLE Consultants for Quintana Petroleum Corp. DATE 11/07/85

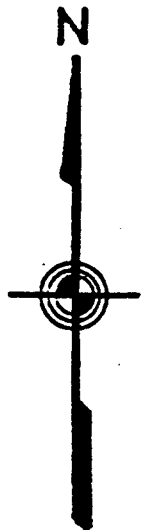
(This space for Federal or State office use)

PERMIT NO. 43-037-31224 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

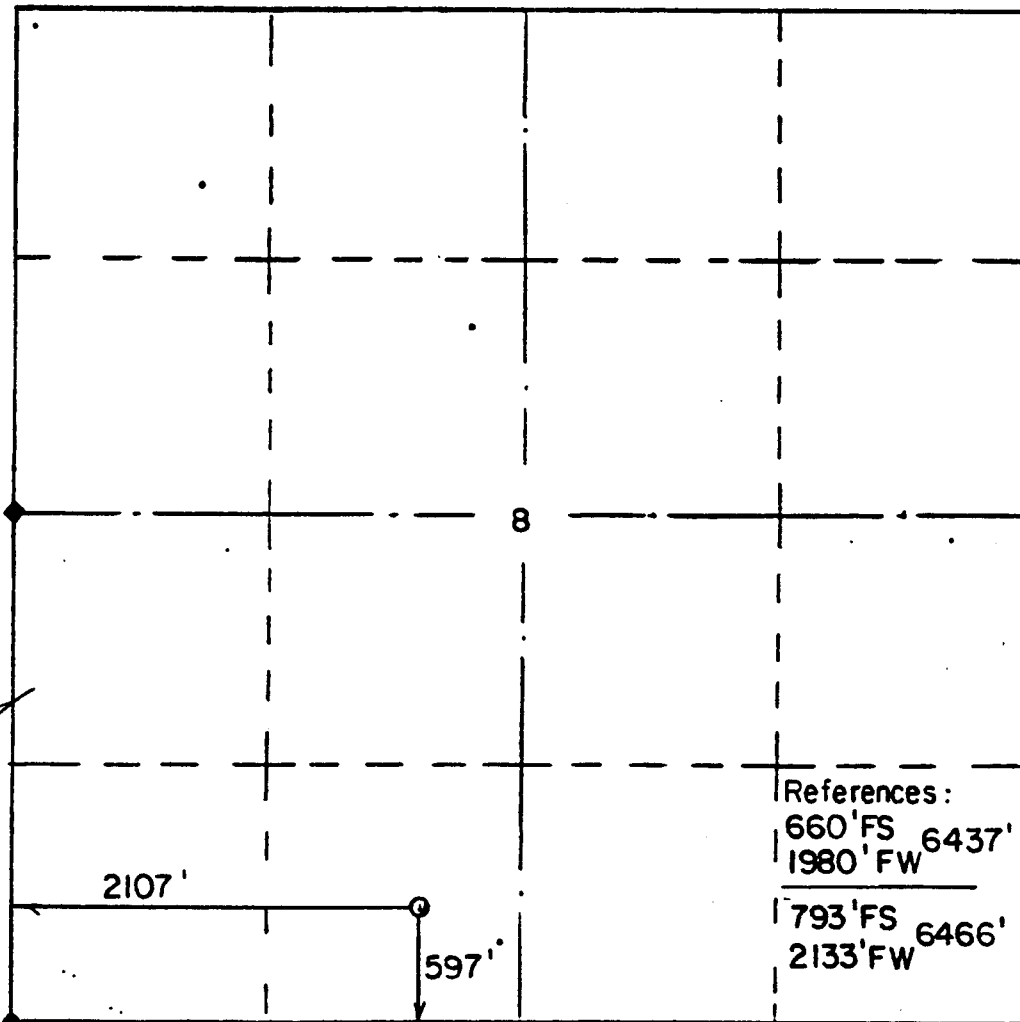
*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT



1"=1000'

N0°E
2643.15'



Operator QUINTANA Petroleum		Well name Mounument Butte Federal 1-8'	
Section 8	Township 36 South	Range 25 East	Meridian SLM
Footages 597'FS & 2107'FW		County/State San Juan UT	Elevation 6449'
Formation	Dedicated Acreage	Requested by Permitco	
<p>The above plat is true and correct to the best of my knowledge and belief.</p> <p>29 Oct. '85</p> <p style="text-align: center;"> </p>			

ONSHORE OIL & GAS ORDER NO. 1

Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

RECEIVED

NOV 12 1985

DIVISION OF OIL
GAS & MINING

MONUMENT BUTTE #1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

Prepared For:

QUINTANA PETROLEUM CORP.

By:

PERMITCO INC.
1020-15th Street, Suite 22-E
Denver, Colorado 80202

Copies Sent To:

- 4 - BLM - Moab, Utah
- 1 - BLM - Monticello, Utah
- 1 - Div. of Oil, Gas & Mining - SLC, Utah
- 3 - Quintana Petroleum Corp. - Denver, Colorado

Permitco inc.
A Petroleum Permitting Company

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

1. The surface formation and estimated formation tops to be encountered are as follows:

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Morrison	Surface	
Navajo	1261'	+4771'
Kayenta	1643'	
Chinle	2009'	+4271'
Shinarump	2751'	
Moenkopi	2840	
Hermosa	4770'	
Hermosa Pay	4964'	- 273'
T.D.	5070'	- 403'

2. The estimated depths at which oil, gas, water or other mineral bearing zones are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Anticipated Depth</u>
Water	Navajo	1261'
Gas	Upper Hermosa	4770'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth cased and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure control equipment will consist of a 10", 3000# BOP. (See BOP Diagram attached.)

Permitco inc.

A Petroleum Permitting Company

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

DRILLING PROGRAM

3. BOP Equipment (cont.)

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

4. a. Casing

The proposed casing program is as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Wt.</u>	<u>Grade</u>	<u>Type</u>	<u>New or Used</u>
Surface	0-2009'	12-1/4"	9-5/8"	36#	K-55	ST&C	New
Produc.	0-5070'	8-3/4"	5-1/2"	15.5#	K-55	ST&C	New

b. Cement

The cementing program will be as follows:

<u>Surface</u>	<u>Type and Amount</u>
0-2009'	572 sx Lite weight 65/35 poz plus 6% gel, 1/4#/sk celloseal, 2% CaCl ₂ , plus 160 sx Class B with 1/4#/sk celloseal, and 2% CaCl ₂ or sufficient to circulate to surface.
<u>Production</u>	<u>Type and Amount</u>
4070'-5070'	260 sx 50/50 Poz with 2% gel, 5% salt and 2#/sk hi-seal; or sufficient to cover zones of interest.

Anticipated cement tops will be reported as to depth, not the expected number of sacks. The San Juan Resource Area will be notified two days before running casing strings and cement. Call Mike Wade at 801/587-2201 or 801/587-2026.

Permitco inc.

A Petroleum Permitting Company

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

DRILLING PROGRAM

c. Auxiliary Equipment will be as follows:

1. Kelly cock.
2. Float above the bit.
3. A sub with a full opening valve will be on the floor when the kelly is not in use.
4. Monitoring of the system will be done visually.

5. Drilling fluid will be as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>F/L</u>	<u>PH</u>
0-2009'	Spud Mud	8.4-9.0	35-40	N/C	Native
2009-4250'	LSND	8.5-8.8	29-35	N/C	9-9.5
4250'-T.D.	LS-Lightly Dispersed	8.5-11.7	29-40	8-12	10-10.5

6. Coring, logging and testing programs are as follows:

- a. No cores will be run.
- b. The logging program will consist of the following: A DIL/SFL and BHC Sonic will be run from base of surface casing to T.D. An FDC/CNL will be run over the last 1000 feet.
- c. Drill Stem Tests will be run in the Upper Hermosa.

Whether the well is completed as a dry hole or as a producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. If requested, samples (cuttings, fluids, and/or gases) will be submitted when requested by the District Manager.

Permitco inc.

A Petroleum Permitting Company

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

DRILLING PROGRAM

7. Abnormal conditions, bottom hole pressures and potential hazards.
 - a. The maximum bottom hole pressure to be expected is 2200 psi.
 - b. Quintana Petroleum Corp. plans to spud the Monument Butte #1-8 immediately upon approval of this application and intends to complete the well within approximately one month after the well has reached T.D.
 - c. The operator will contact the San Juan Resource Area at 801/587-2201, 48 hours prior to beginning any dirt work on this location.
 - d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.
 - e. The spud date will be reported orally to the San Juan Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent within 24 hours of spudding, reporting the spud date and time. The Sundry will be sent to the District Manager. If spudding is on a weekend or holiday, the Sundry will be submitted on the following regular work day.
 - f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations begin and continue each month until the well is physically plugged and abandoned. This report will be sent to the Moab BLM District Office, P. O. Box 970, Moab, Utah 84532.
 - g. If a replacement rig is planned for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergencies, verbal approval can be given by the District Petroleum Engineer.

Permitco inc.

A Petroleum Permitting Company

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

DRILLING PROGRAM

8. Notification Requirements (cont.)

- h. If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five business days following the date on which the well is placed on production.
- i. No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5), will be filed with the District Manager, within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.
- j. Final abandonment will not be approved until surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager or his representative, or the appropriate surface Manager.
- k. Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.
- l. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently beaded-on with a welding torch: Fed, Well number, location by 1/4 1/4 section, township and range, lease number.
- m. A first production conference will be scheduled within 15 days after receipt of the first production notice. The San Juan Area Manager will schedule the conference.

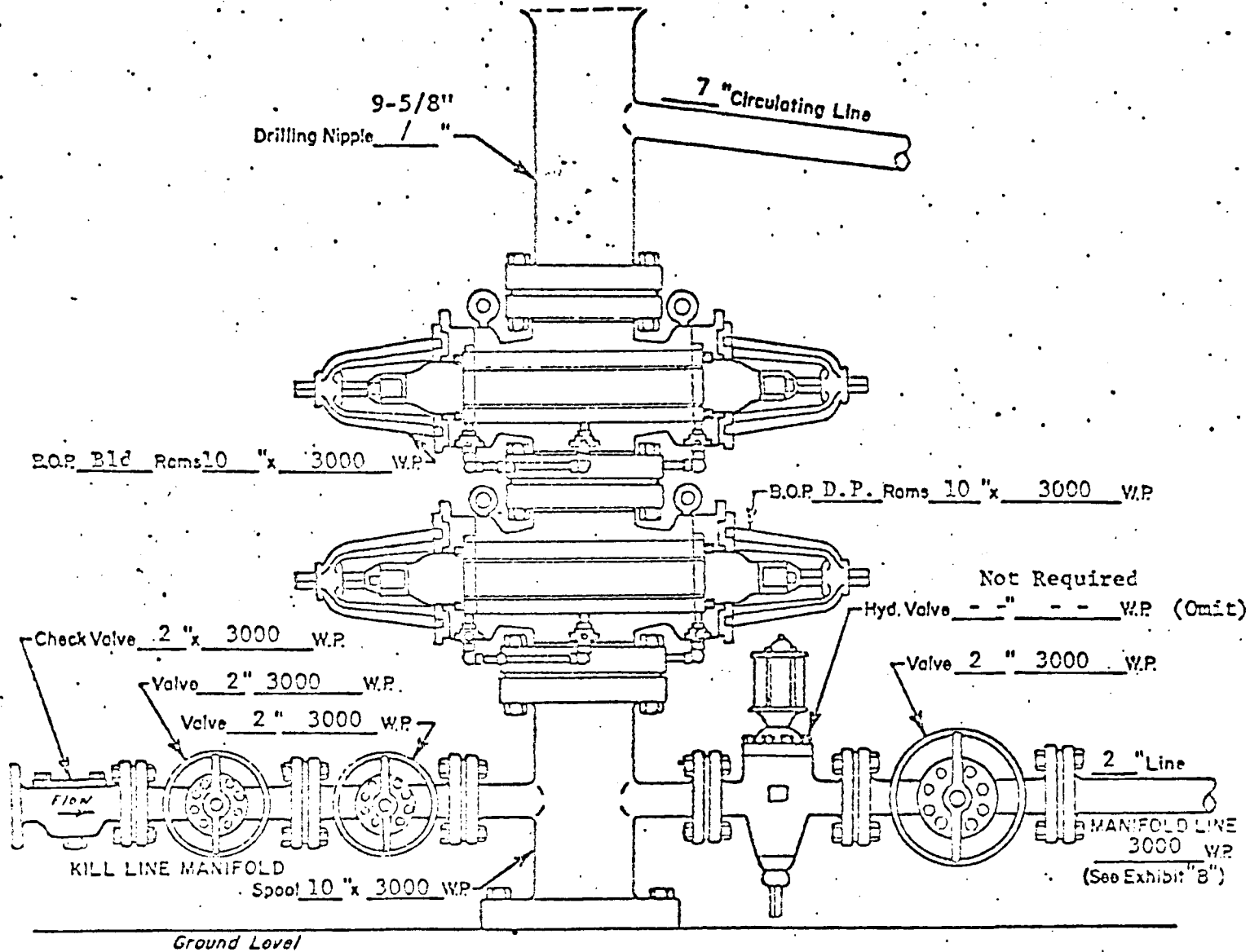
Permitco inc.

A Petroleum Permitting Company

COLEMAN DRILLING CO.

WELL NAME: _____

LOCATION : _____



WELL HEAD B.O.P.

3000 #W.P.

☒ Hydraulic

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

SURFACE USE PLAN

ONSHORE OIL & GAS ORDER NO. 1

Thirteen Point Surface Use Plan

1. Existing Roads

- a. The proposed well site is located 12.5 miles south of Eastland, Utah.
- b. Directions to the location from Eastland are as follows:

Take the county road south 3.8 miles. Turn west and proceed 1.0 miles. Turn south for 1.5 miles and then west for 0.2 miles. Turn south again for 0.7 miles and then west for 0.8 miles. Turn south for 0.2 miles, then west for 0.3 miles. Turn southwest and proceed 3.0 miles and then south for 0.2 miles to the beginning of the new access. Turn southerly onto flagged access and proceed 0.8 miles to the location.
- c. The roads in the area are primarily county roads. See Maps #1 and #2.
- d. Improvement to the existing access will not be necessary.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. An encroachment permit will be obtained from the San Juan County Road Department, 801/587-2231, ext. 43.
- g. The archeological site along the proposed access (flagged in blue will be avoided.

2. Planned Access Roads

- a. The last 8/10 mile will be new access. The road will be flat bladed initially during construction and upgraded if production is established.

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

SURFACE USE PLAN

2. Planned Access Road (cont.)

- b. The maximum total disturbed width will be 30 feet.
- c. The maximum grade will be 6%+.
- d. Water turnouts will be installed as needed. No culverts will be necessary.
- e. Surfacing material will be applied as necessary (during wet weather condition) to prevent rutting.
- f. One side of the road will be ditched if the roads are wet during drilling.
- g. Two temporary cattleguards will be installed during drilling operations if required by the County Road Department. These cattleguards will be left in place if production is established.
- h. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance by the San Juan Area Manager.
- i. The access road will be water barred or brought to Class III Road Standards within 60 days of dismantling of the drilling rig. If this time frame cannot be met, the San Juan Area Manager will be notified so that temporary drainage control can be installed along the access road.
- j. The Class III Road Standards which ensure drainage control over the entire road through the use of natural, rolling topography; ditch turnouts; drainage dips; outsloping; crowning; low water crossings; and culverts will be determined at the appropriate field inspection.

Permitco inc.

A Petroleum Permitting Company

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

SURFACE USE PLAN

3. Location of Existing Wells Within a 1-Mile Radius of the Proposed Location. (See Map #2).

- a. Water Wells - none
- b. Injection or disposal wells - none
- c. Producing Wells - none
- d. Drilling Wells - none

4. Location of Tank Batteries and Production Facilities.

- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.
- b. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.
- c. Tank batteries will be placed as shown on Diagram #1.
- d. All loading lines will be placed inside the berm surrounding the tank battery.
- e. Any necessary pits will be properly fenced to prevent any wildlife entry. The production pit will be flagged overhead.
- f. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Permitco inc.

A Petroleum Permitting Company

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

SURFACE USE PLAN

4. Production Facilities (cont.)

- g. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- h. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.
- i. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The San Juan Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Moab District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply

- a. All water needed for drilling purposes will be obtained from Crowley Construction. Directions to the water source is shown on Map #1.
- b. Water will be trucked to location over the roads marked on Map #1.
- c. No water well is to be drilled on this lease.
- d. Use of water for this operation will approved by obtaining a temporary use permit from the Utah State Engineer, 801/637-1303, and by receiving permission from the land owner of surface management agency to use the land containing the water source.

Permitco inc.

A Petroleum Permitting Company

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

SURFACE USE PLAN

6. Source of Construction Material

- a. Road surfacing material will be obtained from a commercial source. Pad construction material will be native.
- b. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.

7. Methods of Handling Waste Disposal

- a. The reserve pit will be lined with commercial bentonite sufficient to prevent seepage. At least half of the capacity will be in cut. If lining of the pit is determined to be unnecessary at the time of construction, the BLM will be contacted.
- b. Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.
- c. A trash pit will be constructed near the mud tanks and dug at least six feet into solid, undisturbed material. It will be totally enclosed with a fine wire mesh before the rig moves in. The road and pad will be kept litter free. If a trash cage is used, its contents will be hauled to an approved landfill.
- d. Produced waste water will be confined to a unlined pit for a period not to exceed 90 days after initial production. During the 90-day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).
- e. A burning permit is required for burning trash between May 1 and October 31. This can be acquired by contacting the State Fire Warden, John Baker, at 801/587-2705.

Permitco inc.

A Petroleum Permitting Company

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

SURFACE USE PLAN

8. Ancillary Facilities

- a. There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

9. Well Site Layout

- a. See Diagram #2 for rig layout. See Diagram #3 for cross section of drill pad. See Diagram #4 for cuts and fills.
- b. The location of mud tanks; reserve, burn and trash pits; pipe racks; living facilities and soil stockpiles will be shown on Diagram #2 and #4. The location will be laid out and constructed as discussed during the predrill conference.
- c. The top 2 inches of soil material will be removed from the location and stockpiled separate from the trees on the east side. Topsoil along the access will be reserved in place.
- d. Access to the well pad will be from the north.

10. Reclamation

- a. Immediately upon completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of two feet of compacted soil.
- b. The operator or his contractor will contact the San Juan Resource Area office in Monticello, Utah (801/587-2201) 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- c. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

Permitco inc.

A Petroleum Permitting Company

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

SURFACE USE PLAN

10. Reclamation of Surface (cont.)

- d. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- e. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12 inches deep with the contour.
- f. Water bars will be built as follows to control erosion.

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 Feet
2-4%	Every 100 Feet
4-5%	Every 75 Feet
5+%	Every 50 Feet

- g. Seed will be broadcast between October 1 and February 28 with the following prescription. A harrow or similar implement will be dragged over the area to assure seed cover.
 - 6 lbs/acre Galleta (*Hilaria Jamesii*)
 - 1 lbs/acre Fourwing Saltbush (*Atriplex Canescens*)
 - 1 lbs/acre Alkali sacaton (*Sporobolus airoides*)
 - 1 lbs/acre Desert bitterbrush (*Purshia glandulosa*)
 - 1 lbs/acre Wild sunflower (*Helianthus annuus*)
- h. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.
- i. The reserve pit and that portion of the location and access road not needed for production and production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

Permitco Inc.

A Petroleum Permitting Company

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

SURFACE USE PLAN

11. a. Surface Ownership

Federal

b. Mineral Ownership

Federal

12. Other Information

- a. There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.
- b. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.
- c. The dirt contractor will be provided with an approved copy of the surface use plan.
- d. If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All people who are in the area will be informed by the operator that they are subject to prosecution for disturbing archeological sites or picking up artifacts. Salvage or excavation of identified archeological sites will be done by a BLM approved archeologist only if damage occurs.
- e. This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.
- f. An archeological study was done by LaPlata Archeological Consultants. No significant cultural resources were found and clearance is recommended. A copy of this report will be submitted directly by LaPlata Archeological Consultants.

Permitco inc.

A Petroleum Permitting Company

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Monument Butte 1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

SURFACE USE PLAN

12. Other Information (cont.)

- g. Your contact with the District Office is: Greg Nobel,
801/259-6111, P.O. Box 970, Moab, Utah 84532.

The Resource Area Manager's address is P.O. Box 7, Monticello,
Utah 84535. Your contact is Rich McClure, 801/587-2201.

- h. Prior to cementing surface casing, notify Mike Wade,
801/587-2201 or 801/587-2026.

13. Lessee's or Operator's Representative and Certification

Permit Matters

Permitco Inc.
Lisa L. Green
1020-15th Street
Suite 22-E
Denver, Co. 80202
303/595-4051

Drilling & Completion Matters


Quintana Petroleum Corp.
818-17th St.,
Suite 610
Denver, CO 80202
303/628-9211 (W)
John Wessels - 303/987-0540 (H)
Scott Kimbrough - 303/573-7002 (H)

13. Lessee's or Operator's Certification (cont.)

Certification

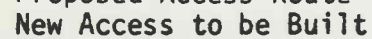
I hereby certify that I, or persons under my direct supervision,
have inspected the proposed drillsite and access route; that I am
familiar with the conditions which presently exist; that the
statements made in this plan are, to the best of my knowledge, true
and correct; and, that the work associated with the operations
proposed herein will be performed by Quintana Petroleum Corp. and
its contractors and subcontractors in conformity with the plan and
the terms and conditions under which it is approved.

November 7, 1985
Date: _____


Lisa L. Green - PERMITCO INC.
Authorized Agent for:
QUINTANA PETROLEUM CORP.

Permitco Inc.

A Petroleum Permitting Company



R25E

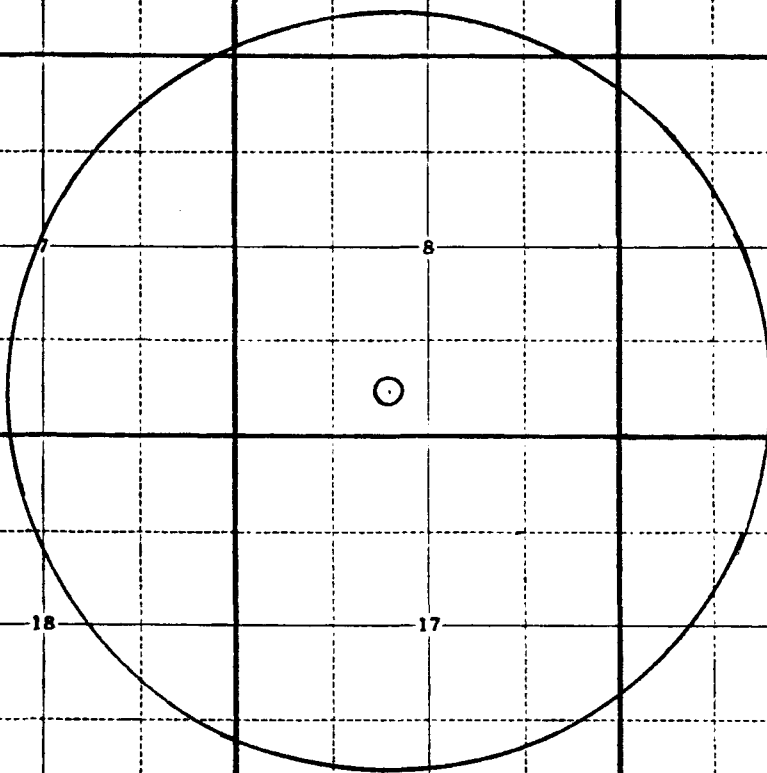
N



T

36

S



6

5

3

7

8

9

10

18

17

16

15

19

20

21

22

30

29

28

MAP #2

Quintana Petroleum Corp.
Monument Butte #1-8
597' FSL and 2107' FWL
Sec. 8, T36S - R25E
San Juan County, Utah

⊙ Proposed Location

Diagram #1

Scale 1" = 50'

Production Facility Layout
Quintana Petroleum Corp.
Monument Butte #1-8
597' FSL & 2107' FWL
Sec. 8, T36S - R25E
San Juan Co., Utah

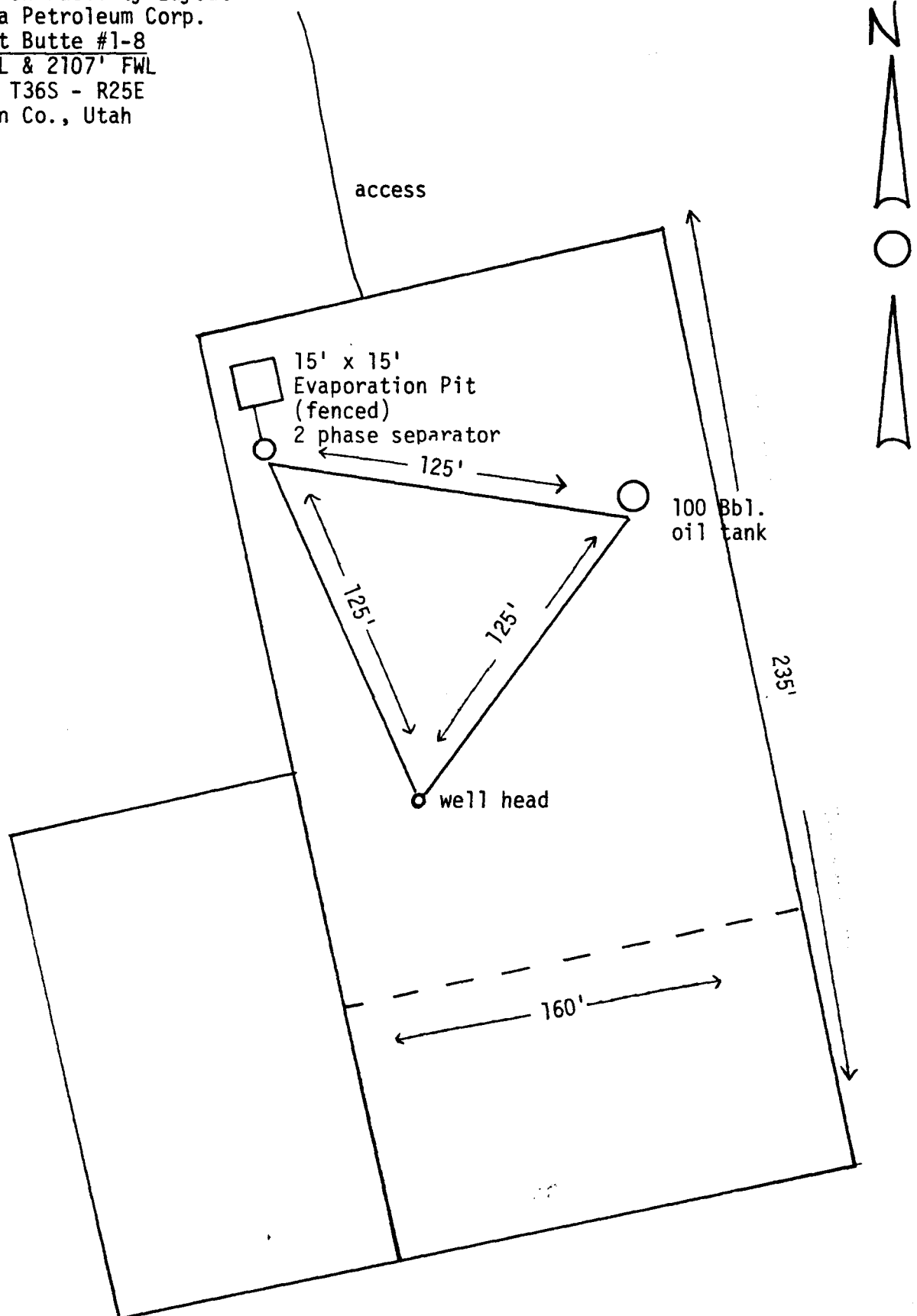


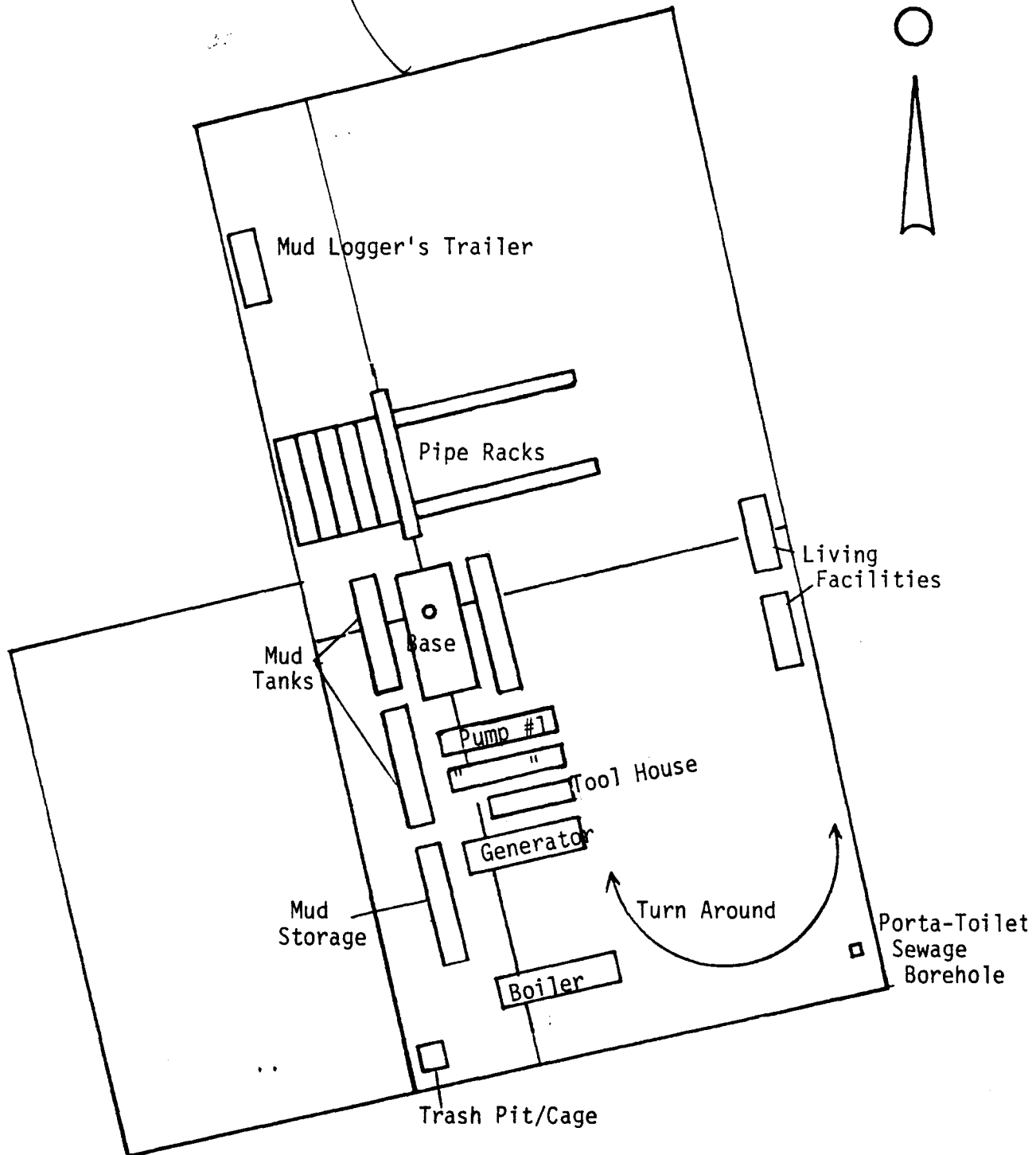
Diagram #2

Rig Layout
Quintana Petroleum Corp.

Monument Butte #1-8

597 FSL & 2107' FWL
Sec. 8, T36S - R25E
San Juan, Utah

Scale 1" = 50'



WELL PAD CROSS-SECTION

Well 1-8

Cut /////
Fill

Scales: 1"=50' H.
1"=30' V.

1.7 Vertical Exaggeration

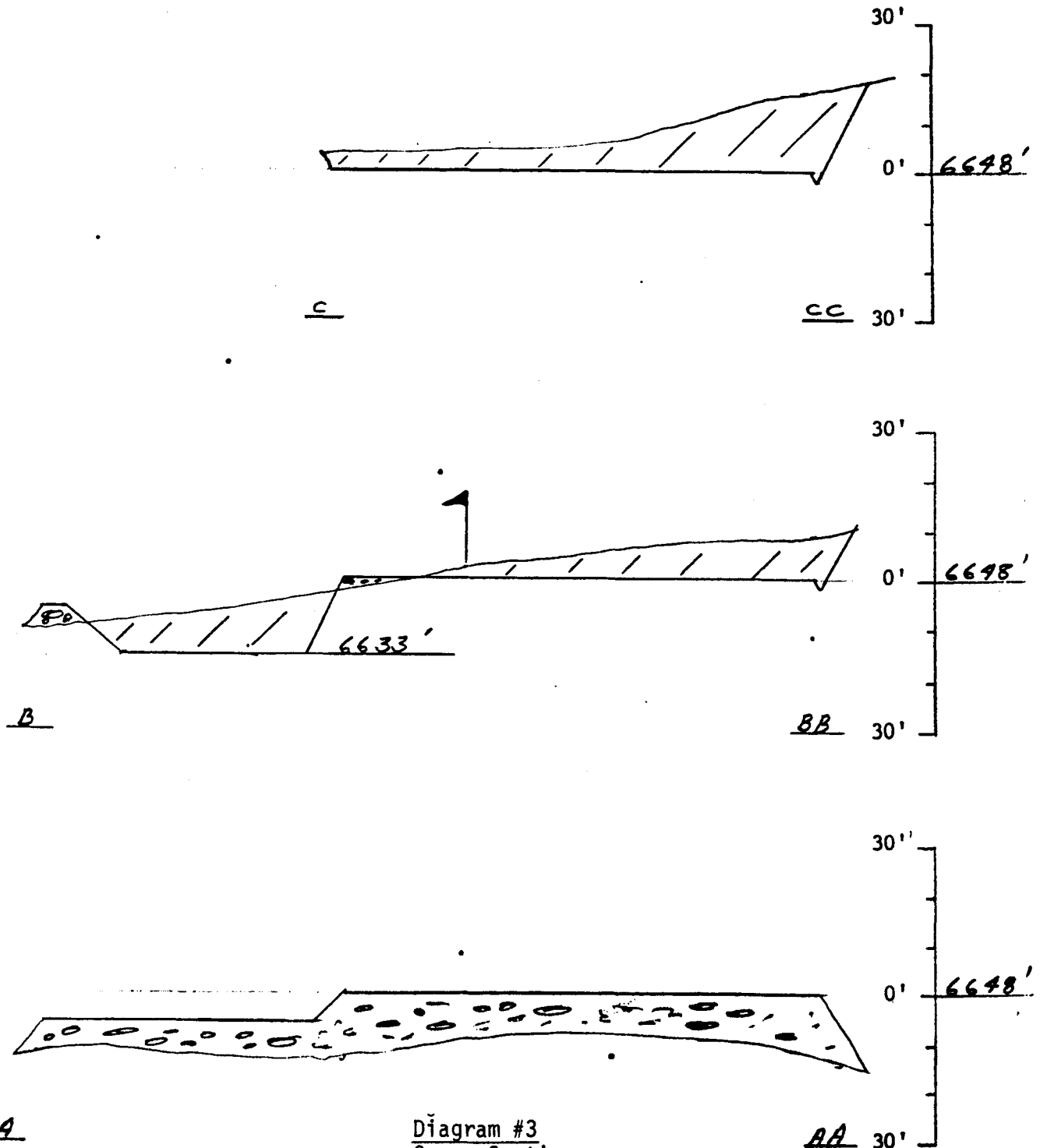


Diagram #3
Cross Sections
Quintana Petroleum Corp.
Monument Butte #1-8
597' FSL & 2107' FWL
Sec. 8 T36S - R25E
San Juan Co., Utah

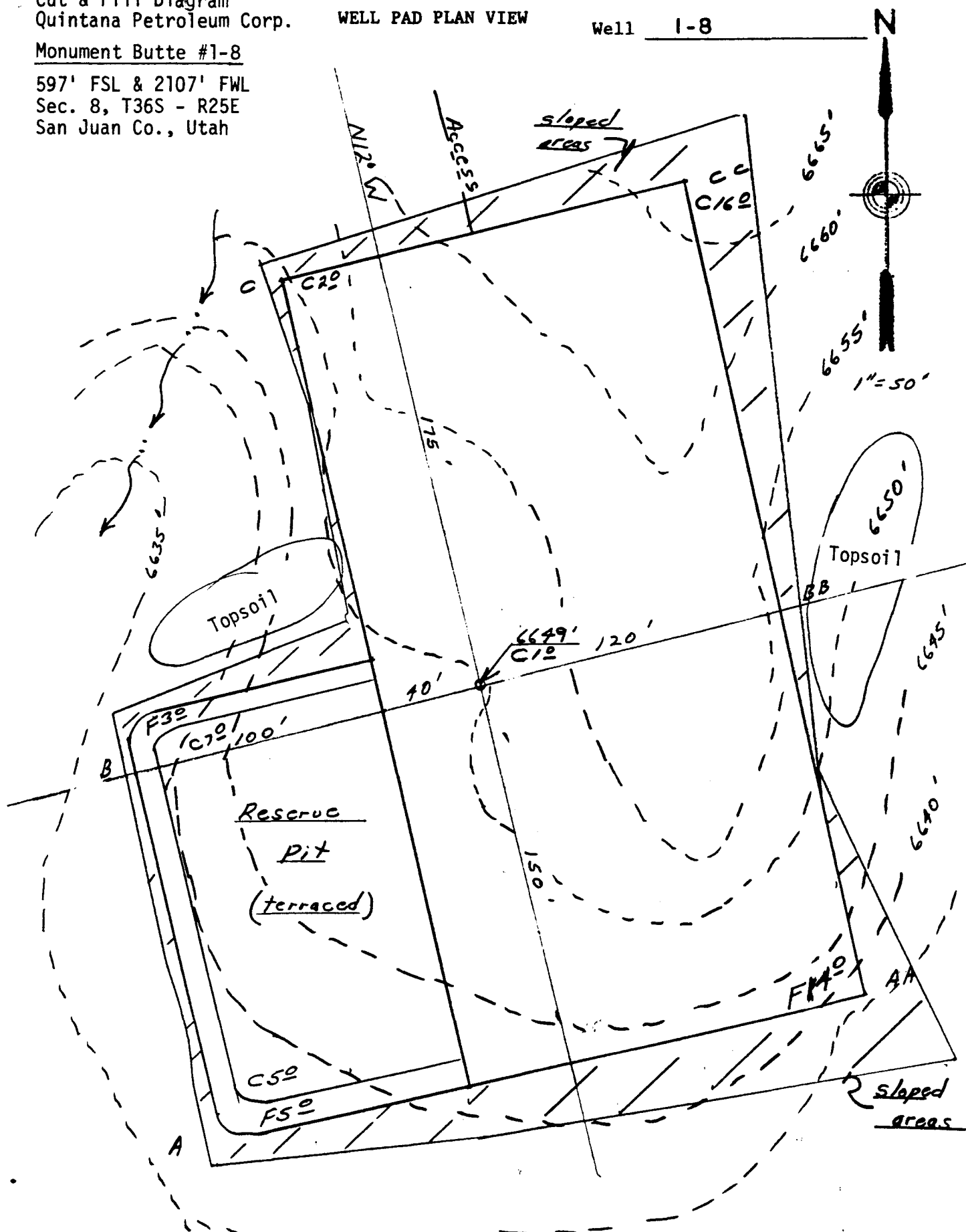
Cut & Fill Diagram
Quintana Petroleum Corp.

WELL PAD PLAN VIEW

Well 1-8

Monument Butte #1-8

597' FSL & 2107' FWL
Sec. 8, T36S - R25E
San Juan Co., Utah



OPERATOR Quintana Petroleum Corp DATE 11-20-85

WELL NAME Monument Butte 1-8

SEC SE SW 8 T 36S R 25E COUNTY San Juan

43-037-31226
API NUMBER

Lease
TYPE OF LEASE

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST WELL

☒ LEASE

☒ FIELD

☒ POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well within 4960'

Need water permit

APPROVAL LETTER:

SPACING: ☐ A-3 UNIT

☐ c-3-a CAUSE NO. & DATE

☒ c-3-b

☐ c-3-c

STIPULATIONS:

1- Water

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Quintana Petroleum Corp. c/o Permitco Inc. (303)595-4051

3. ADDRESS OF OPERATOR

1020 15th Street Suite 22-E Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

597' FSL & 2107' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

12.5 miles south of Eastland, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

597'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

none

19. PROPOSED DEPTH

5070'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6449' GR

22. APPROX. DATE WORK WILL START*

Immediately upon
approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	2009'	572 SX or suffic. to circ.
8 3/4"	5 1/2"	15.5	5070'	260 SX or suffic. to cover zone of interest

RECEIVED

NOV 25 1985

DIVISION OF OIL
GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

[Signature]

TITLE

Consultants for

Quintana Petroleum Corp.

DATE 11/07/85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

[Signature]

TITLE

Acting DISTRICT MANAGER

DATE

21 NOV 1985

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FLARING OR VENTING OF
GAS IS SUBJECT OF NTL 4-A
DATED 1/1/80

Quintana Petroleum Corp.
Well No. Monument Butte 1-8
Sec. 8, T. 36 S., R. 25 E.
San Juan County, Utah
Lease U-56572

B. THIRTEEN POINT SURFACE USE PLAN

Reclamation: Change Seed Mixture to:

6 lbs/acre Crested wheatgrass
1 lb /acre Fourwing saltbush
1 lb /acre Bitterbrush
1 lb /acre Wild sunflower



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 26, 1985

Quintana Petroleum Corporation
c/o Permitco, Inc.
1020 - 15th Street, Suite 22-E
Denver, Colorado 80202

Gentlemen:

Re: Well No. Moument Butte 1-8 - SE SW Sec. 8, T. 36S, R. 25E
597' FSL, 2107' FWL - San Juan County, Utah

Approval to drill the above-referenced gas well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

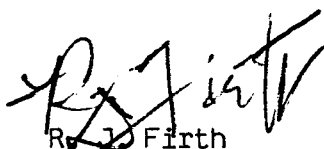
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2
Quintana Petroleum Corporatin
Well No. Monument Butte 1-8
November 26, 1985

4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31226.

Sincerely,

A handwritten signature in dark ink, appearing to read "R. J. Firth". The signature is stylized with a large, sweeping "R" and a long, horizontal stroke extending to the right.

R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

Verbal no' e of P&A

1/10/86
JRB

Quintana

Monument Butte 1-8

Sec. 8, T36, R25E

San Juan Co.

U-56572

Birl Lynch
(801) 259-2006
Mobile ph.

TD = 5150'

9⁵/₈" @ 2052' in Chinle

Shinarump 2774

Moenk. 2820

Herm. 4762

- Will obtain BLM approval. Has not called them yet.
- Accepted plan that BLM approves.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE 1-12-86

BY John R. Bays

EXPRESS MAIL ROUTING SLIP

PAM

TAMI

1-13 10:10 PA

VICKY

VC 12:20

CLAUDIA

Cj 11:14

STEPHANE

1-13 11:51

CHARLES

CP 1-13 11:55

RULA

Rm 1/13 11:59

MARY ALICE

MAP 1/13 12:16

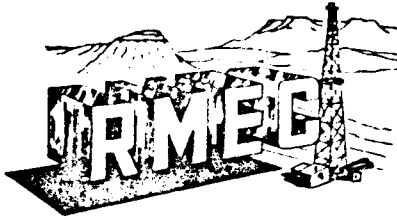
CONNIE

CD 1-13 254

MILLIE

MA ~ "

PAM



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY — MUD LOGGING

2450 INDUSTRIAL BLVD

PHONE 243-3044

GRAND JUNCTION, COLORADO 81505

January 13, 1986

Quintana Petroleum Corporation
1050 17th St., Ste. 610
Denver, Colorado 80202

ATTN: JOE ROSS

Enclosed are the final logs on your Monument Butte Federal #1-8, located in Section 8, T36S, R25E of San Juan County, Utah.

We appreciated the opportunity to serve you. If we can be of any further assistance in the final evaluation of zones encountered, please feel free to call on us.

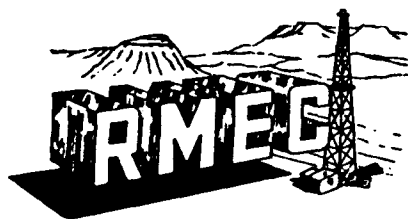
We are looking forward to working with you again in the near future. We thank you, again.

Sincerely,

Andy Kelley
President

AWK:bb

ENC: 2 FINAL LOGS
XXC: 2-QUINTANA, HOUSTON, TX.;
2-SANTA FE ENERGY CO., DENVER, CO.,
ATTN: MR. LYLE GALLIVAN;
2-BUREAU OF LAND MNGMT., MOAB, UT.;
1-GRYNBERG PET. CO., DENVER, CO.,
ATTN: MR. MORRIS ETTINGER;
2-MOBIL OIL CORP., DENVER, CO.,
ATTN: MR. R.V. MOORE
2-STATE OF UTAH, SALT LAKE CITY, UT.



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

COMPANY QUINTANA PETROLEUM CORPORATION

WELL NO. MONUMENT BUTTE FEDERAL #1-8

LOCATION SECTION 8, T36S, R25E

ZONE OF INTEREST NO. 1

INTERVAL: From 4967' To 4979'

DRILL RATE: Abv 3-5 Thru 1-2 Below 3-4

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C ₁	C ₂	C ₃	C ₄	C ₅	OTHER
Before	1-2	100	-	-	-		
During	155	34,650	7,280	1,540	970		
After	8-10	620	105	TR	-		

Type gas increase: Gradual ☐ Sharp ☒

Gas variation within zone: Steady ☒ Erratic ☐ Increasing ☐ Decreasing ☐

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}}$ X Min. in Peak = _____

Sensitivity: Poor ☐ Fair ☒ Good ☒

FLUO: Mineral ☐ Even ☐ Spotty ☐
 None ☒ % in total sample _____
 Poor ☐
 Fair ☐ % in show lithology _____
 Good ☐ COLOR: _____

CUT: None ☒ Streaming
 Poor ☐ Slow ☐
 Fair ☐ Mod ☐
 Good ☐ Fast ☐
 COLOR: _____

STAIN: None ☒ Poor ☐ Fair ☐ Good ☐ Live ☐ Dead ☐ Residue ☐ Even ☐ Spotty ☐ Lt. ☐ Dk. ☐

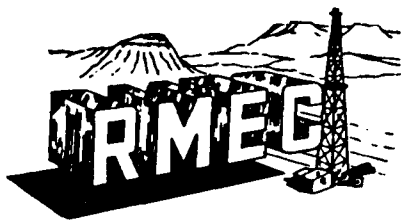
POROSITY: Poor ☒ Fair ☐ Good ☐ Kind Intragranular

LITHOLOGY 100% SS gy-ltgy, vfg, grdg to sltst, mcmt, calc, m-psrt, mica, pyr, tt, fri,
sbang-sbrd SAMPLE QUALITY fair

NOTIFIED _____ @ _____ HRS. DATE: _____

REMARKS _____

ZONE DESCRIBED BY CUSH COPELAND



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

COMPANY QUINTANA PETROLEUM CORPORATION

WELL NO. MONUMENT BUTTE FEDERAL #1-8

LOCATION SECTION 8, T36S, R25E

ZONE OF INTEREST NO. 2

INTERVAL: From 5108' To 5116'

DRILL RATE: Abv 4-5 Thru 1 Below 5

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C ₁	C ₂	C ₃	C ₄	C ₅	OTHER
Before	5-10	1520	130	TR	-		
During	250	37,620	6240	3150	1880		
After	8-10	1320	235	70	TR		

Type gas increase: Gradual ☐ Sharp ☒

Gas variation within zone: Steady ☒ Erratic ☐ Increasing ☒ Decreasing ☒

CARBIDE HOLE RATIO: GRAMS
READING X Min. in Peak = _____

Sensitivity: Poor ☐ Fair ☐ Good ☒

FLUO: Mineral ☐ Even ☐ Spotty ☐
None ☒ % in total sample _____
Poor ☐
Fair ☐ % in show lithology _____
Good ☐ COLOR: _____

CUT: None ☒ Streaming
Poor ☐ Slow ☐
Fair ☐ Mod ☐
Good ☐ Fast ☐
COLOR: _____

STAIN: None ☒ Poor ☐ Fair ☐ Good ☐ Live ☐ Dead ☐ Residue ☐ Even ☐ Spotty ☐ Lt. ☐ Dk. ☐

POROSITY: Poor ☒ Fair ☒ Good ☐ Kind Intragranular

LITHOLOGY 40% SS lse qtz grns, m-fg, clr, rnd-sbrd; 40% LS; 10% SH; 10% SLTST

SAMPLE QUALITY good

NOTIFIED JOE ROSS @ OFFICE HRS. DATE: 8:15 a.m.

REMARKS SAND GRAINS ALL LOOSE

ZONE DESCRIBED BY CUSH COPELAND

DRILL STEM TEST REPORT

DST # 1 Date 1/9/86 Testing Co. LYNES

WELL NAME: MONUMENT BUTTE FEDERAL #1-8

Formation: HERMOSA Interval: 4860'-4995' Wtr. Cushlon -

Hole Size 8 3/4 Packer Size Drl. Pipe Size 4 1/2" Bbls/Ft .01422

Drl. Collar Size 6 1/4" Bbls/Ft Drlg. Contractor EXETER #5

Mud Filtrate: Ppm Nitrate - Ppm Chlorides 10,700

	<u>Minutes</u>		<u>Minutes</u>	<u>Rate</u>
	<u>Duration</u>			
Preflow	<u>30</u>	Gas to Surf.	<u>-</u>	<u>-</u>
Initial Shutin	<u>60</u>	Fluid to Surf.	<u>-</u>	<u>-</u>
Flow Period	<u>60</u>	Mud <u>-</u> Min; Wtr <u>-</u> Min; Oil <u>-</u> Min		
Final Shutin	<u>120</u>			

Test Description: PREFLOW OPENED W/ 10" BLOW IN BUCKET, WENT TO 12" AFTER 30; FF
OPENED W/ 24" BLOW IN BUCKET WENT TO 11" IN 5 MINUTES, 8" IN 30 MINUTES, 5" AFTER 60 MIN.

<u>Orifice</u>		<u>Minutes</u>		
<u>Plate Size</u>	<u>Temp.</u>	<u>from V.O.</u>	<u>Pressure</u>	<u>Rate</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

4940'

Pressure Records (Field Readings) -- Bomb Depth 4970' Bottom Hole Temp. 111 °

<u>Pre-Flow</u>				<u>Final Flow</u>				
4940HP	2602	IFP 62	FFP 65	ISIP 239	IFP 62	FFP 68	FSIP 527	FHP 2597
4970'	2582	52	57	247	52	67	537	2582

Sampler Capacity 2150 Cc's; Sampler Pressure 26 Rstv - Temp 111 °

Cu Ft Gas 13 Cc's Oil - Cc's Water - Cc's (Other) 1000 MUD

Sampler Recovery (Water): Ppm Nitrate - Ppm Chlorides 10,000 ppm

Pipe Recovery: 65 FEET DRILLING MUD

Problems: NONE

Remarks:

Agent of Operator CUSH COPELAND

Contractor <u>Exeter</u>	Top Choke <u>1/4"</u>	Flow No. 1 <u>30</u> Min.
Rig No. <u>5</u>	Bottom Choke <u>3/4"</u>	Shut-in No. 1 <u>60</u> Min.
Spot <u>--</u>	Size Hole <u>8 3/4"</u>	Flow No. 2 <u>60</u> Min.
Sec. <u>8</u>	Size Rat Hole <u>--</u>	Shut-in No. 2 <u>120</u> Min.
Twp. <u>36S</u>	Size & Wt. D. P. <u>4 1/2" XH 16.60#</u>	Flow No. 3 <u>--</u> Min.
Rng. <u>25E</u>	Size Wt. Pipe <u>--</u>	Shut-in No. 3 <u>--</u> Min.
Field <u>--</u>	I. D. of D. C. <u>2 1/4"</u>	Bottom Hole Temp. <u>111° F</u>
County <u>San Juan</u>	Length of D. C. <u>452 ft.</u>	Mud Weight <u>9.8#</u>
State <u>Utah</u>	Total Depth <u>4995 ft.</u>	Gravity <u>--</u>
Elevation <u>--</u>	Interval Tested <u>4960-4995 ft.</u>	Viscosity <u>52</u>
Formation <u>Honaker Trail</u>	Type of Test <u>Bottom Hole</u>	
	<u>Conventional</u>	

Tool opened @ 3:37 a.m.

Inside Recorder

PRD Make Kuster K-3
No. 24645 Cap. 4550 @ 4940'

Press	Corrected
Initial Hydrostatic A	2571
Final Hydrostatic K	2571
Initial Flow B	77
Final Initial Flow C	51
Initial Shut-in D	209
Second Initial Flow E	70
Second Final Flow F	49
Second Shut-in G	489
Third Initial Flow H	--
Third Final Flow I	--
Third Shut-in J	--

Lynes Dist. Cortez, CO
Our Tester: Bryan Scott
Witnessed By: Birl Lynch



Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE:

65 ft. Drilling mud = .32 Bbls

Blow Description:

1st Flow: Tool opened with a 10" blow, increasing to 2 psi in 1 minute, and decreasing to 7 ounces at the end of the flow.

2nd Flow: Tool opened with a 14 ounce reading, decreasing to 5" at the end of the flow.

Comments: The test results indicate a mechanically successful test. The flow and shut-in curves suggest low permeability within the zone tested.

Operator Quintana Petroleum Corp.
Address 1050 17th St., Suite 400
Denver, CO 80202

Well Name and No. Monument Butte #1-8
Ticket No. 00782

Date 1-9-86

DST No. 1
No. Final Copies 13

QUINTANA PETROLEUM CORP.
DST#: 1
MONUMENT BUTTE #1-8
4960 - 4995ft.

Page 1

Location: SEC. 8 T36S R25E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: HONAKER TRAIL

Recorder Number: 6021
Recorder Depth: 4970

SAMPLE DATA

SAMPLE CHAMBER:

Capacity of sample chamber	2150	cc
Volume of sample.....	1000	cc
Pressure in sampler.....	26	psig
Where sampler was drained...	on location	

Sampler contained:

Mud	1000	cc
Gas	.13	cu-ft

RESISTIVITY DATA:

Top.....	10 000 PPM NACL
Middle.....	
Bottom.....	
Sampler.....	10 000 PPM NACL
Mud pit.....	10 000 PPM NACL
Make-up Water...	



LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 6021 CAP 10000 AT 4970 ft.

OPERATOR Quintana Petroleum Corp.

WELL NAME Monument Butte #1-8

TICKET NO. 00782

DST. NO. 1

01:16:30 T 105.937	01:26:30 T 108.912	01:40:30 T 109.437	01:52:30 T 110.912	01:04:30 T 111.062
Initial Hydro. -2582.50	147.500	57.5000	192.500	527.500
2582.50	152.500	57.5000	197.500	537.500
2582.50	152.500	57.5000	197.500	537.500
2582.50	157.500	57.5000	202.500	537.500
2582.50	162.500	57.5000	207.500	537.500
2582.50	162.500	57.5000	207.500	537.500
2582.50	167.500	57.5000	212.500	537.500
01:24:30 T 106.937	01:36:30 T 108.937	01:48:30 T 109.962	01:00:30 T 110.937	01:12:30 T 111.912
2577.50	172.500	62.5000	212.500	2582.50
2607.50	177.500	62.5000	217.500	2582.50
2607.50	177.500	57.5000	222.500	2582.50
2602.50	177.500	57.5000	222.500	2582.50
2592.50	182.500	62.5000	227.500	2582.50
2592.50	187.500	62.5000	227.500	2582.50
2587.50	187.500	57.5000	232.500	2532.50
01:32:30 T 106.937	01:44:30 T 108.962	01:56:30 T 109.987	01:08:30 T 110.962	01:20:30 T 111.987
2607.50	192.500	57.5000	237.500	2567.50
2617.50	197.500	62.5000	242.500	2562.50
2612.50	197.500	62.5000	242.500	2557.50
2677.50	202.500	62.5000	247.500	2532.50
102.500	202.500	62.5000	252.500	2537.50
Start 1st Flow -52.5000	207.500	57.5000	252.500	2582.50
62.5000	207.500	62.5000	257.500	2462.50
01:40:30 T 107.062	01:52:30 T 108.937	01:04:30 T 109.912	01:16:30 T 110.962	01:28:30 T 111.962
62.5000	212.500	62.5000	262.500	2412.50
62.5000	217.500	62.5000	267.500	2402.50
62.5000	217.500	67.5000	267.500	2407.50
57.5000	222.500	-67.5000	272.500	2357.50
57.5000	222.500	72.5000	277.500	2337.50
57.5000	227.500	77.5000	282.500	
62.5000	227.500	77.5000	287.500	
01:48:30 T 107.912	01:00:30 T 108.912	01:12:30 T 109.912	01:24:30 T 110.987	
57.5000	232.500	87.5000	292.500	
57.5000	232.500	87.5000	297.500	
57.5000	237.500	92.5000	302.500	
57.5000	237.500	97.5000	307.500	
57.5000	242.500	97.5000	312.500	
57.5000	242.500	102.500	317.500	
57.5000	247.500	102.500	317.500	
01:56:30 T 107.962	01:08:30 T 108.937	01:20:30 T 109.937	01:32:30 T 110.912	
57.5000	252.500	112.500	327.500	
57.5000	57.5000	112.500	332.500	
57.5000	57.5000	117.500	337.500	
57.5000	57.5000	117.500	342.500	
57.5000	57.5000	122.500	347.500	
57.5000	57.5000	127.500	352.500	
57.5000	57.5000	127.500	357.500	
01:04:30 T 107.987	01:16:30 T 109.962	01:28:30 T 110.962	01:40:30 T 110.912	
57.5000	57.5000	132.500	367.500	
End 1st Flow -57.5000	57.5000	137.500	377.500	
62.5000	57.5000	137.500	382.500	
67.5000	57.5000	142.500	387.500	
72.5000	57.5000	142.500	392.500	
77.5000	57.5000	147.500	397.500	
82.5000	57.5000	147.500	402.500	
01:12:30 T 107.937	01:24:30 T 109.987	01:36:30 T 110.987	01:48:30 T 110.937	
87.5000	57.5000	152.500	417.500	
92.5000	57.5000	157.500	422.500	
97.5000	57.5000	157.500	427.500	
102.500	57.5000	162.500	437.500	
107.500	57.5000	162.500	442.500	
107.500	57.5000	167.500	447.500	
112.500	57.5000	167.500	457.500	
01:20:30 T 108.962	01:32:30 T 109.912	01:44:30 T 110.987	01:56:30 T 110.937	
122.500	57.5000	177.500	467.500	
122.500	57.5000	177.500	477.500	
127.500	57.5000	177.500	482.500	
132.500	57.5000	182.500	492.500	
137.500	57.5000	182.500	497.500	
137.500	57.5000	187.500	502.500	
142.500	57.5000	187.500	512.500	

CANTANA PETROLEUM CORP.
DST#: 1
MONUMENT BUTTE #1-8
4960 - 4995ft.

Page 1

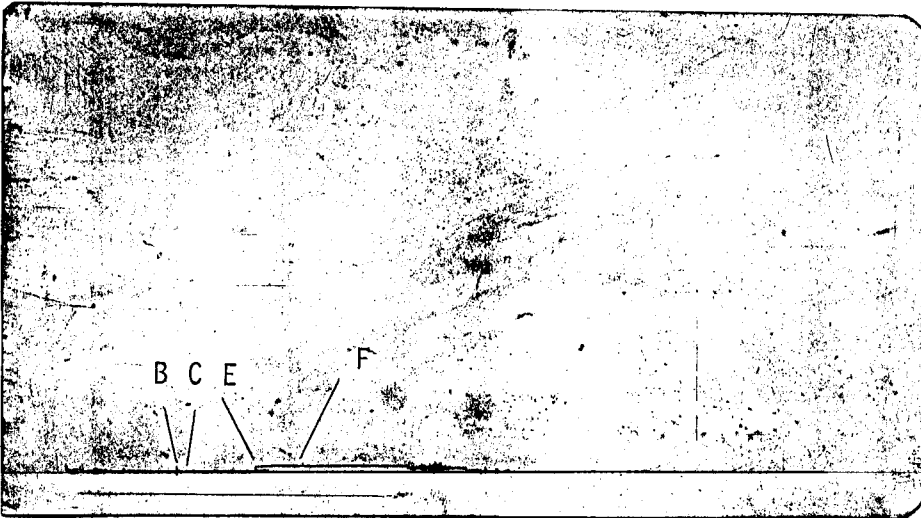
PRESSURE RECORDER NUMBER : 7661

DEPTH : 4922.00ft.
TYPE : K-3

LOCATION : INSIDE
CAPACITY : 4900.00psi

PRESSURE
psi

B)1st Flow Start: 2.0
C)1st Flow End : 2.0
D)END 1st Shutin: 53.0
E)2nd Flow Start: 64.0



TEST TIMES(MIN)
1st FLOW : 30
SHUTIN: 60
2nd FLOW : 60
SHUTIN: 120

True Inside; ran above shut-in tool.

PRESSURE RECORDER NUMBER : 6021

DEPTH : 4970.00ft.
TYPE : DMR

LOCATION : OUTSIDE
CAPACITY : 10000.00psi

PRESSURE
psi

A)Initial Hydro : 2583.0
B)1st Flow Start: 53.0
C)1st Flow End : 58.0
D)END 1st Shutin: 248.0
E)2nd Flow Start: 53.0
F)2nd Flow End : 68.0
G)END 2nd Shutin: 538.0
Q)Final Hydro. : 2583.0

WELL NAME:	MONUMENT BUTTE FEDERAL #1-8	ELEVATION:	6437' GL - 6450' KB
CO. NAME:	QUINTANA PETROLEUM CORP	SECTION:	8, T36S, R25E
CONTRACTOR:	EXETER	RIG#	5
SPUD DATE:	12/25/85	CO. & STATE:	SAN JUAN COUNTY, UTAH
		T.D. DATE:	1/10/86

[illegible]

Operator **Quintana Petroleum Corp.**
Address **1050 17th St., Suite 400**
Denver, CO 80202
Well Name and No. **Monument Butte #1-8**
Ticket No. **00783**
Date **1-12-86**
DST No. **6**
No. Final Copies **13**

Contractor <u>Exeter</u>	Top Choke <u>1/4"</u>	Flow No. 1 <u>29</u> Min.
Rig No. <u>5</u>	Bottom Choke <u>3/4"</u>	Shut-in No. 1 <u>65</u> Min.
Spot <u>--</u>	Size Hole <u>8 3/4"</u>	Flow No. 2 <u>59</u> Min.
Sec. <u>8</u>	Size Rat Hole <u>--</u>	Shut-in No. 2 <u>115</u> Min.
Twp. <u>36S</u>	Size & Wt. D. P. <u>4 1/2" XH 16.60#</u>	Flow No. 3 <u>--</u> Min.
Rng. <u>26E</u>	Size Wt. Pipe <u>--</u>	Shut-in No. 3 <u>--</u> Min.
Field <u>--</u>	I. D. of D. C. <u>2 1/4"</u>	Bottom Hole Temp. <u>113°F</u>
County <u>San Juan</u>	Length of D. C. <u>270 ft.</u>	Mud Weight <u>9.8#</u>
State <u>Utah</u>	Total Depth <u>5150 ft.</u>	Gravity <u>--</u>
Elevation <u>--</u>	Interval Tested <u>5087-5150 ft.</u>	Viscosity <u>58</u>
Formation <u>--</u>	Type of Test <u>Bottom Hole</u>	
	<u>Conventional</u>	

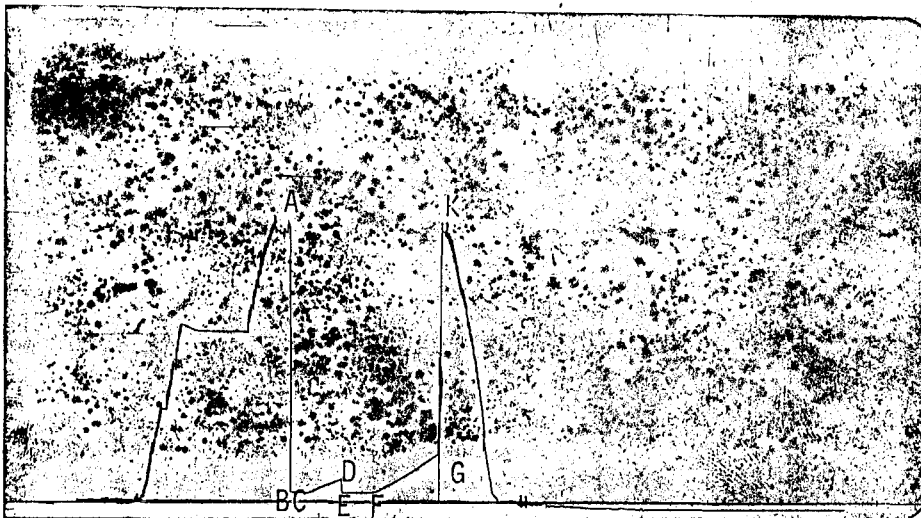
Tool opened @ 3:57 a.m.

Inside Recorder

PRD Make Kuster K-3
No. 24645 Cap. 4450 @ 5090'

Press	Corrected
Initial Hydrostatic A	2651
Final Hydrostatic K	2638
Initial Flow B	105
Final Initial Flow C	92
Initial Shut-in D	237
Second Initial Flow E	98
Second Final Flow F	102
Second Shut-in G	487
Third Initial Flow H	--
Third Final Flow I	--
Third Shut-in J	--

Lynes Dist. Cortez, CO
Our Tester: Bryan Scott
Witnessed By: Birl Lynch



Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE:

120 ft. Drilling mud, slight trace oil = .59 Bbls

Blow Description:

1st Flow: Tool opened with a 1" blow, increasing to 2 psi in 5 minutes, then remaining constant throughout flow.

2nd Flow: Tool opened with a 4" blow, increasing to 2 psi in 10 minutes, then decreasing to 4" at the end of the flow.

Comments: The test results indicate a good mechanical test. The flow and shut-in curves suggest very low permeability within the zone tested.

DST# 2
 MONUMENT BUTTE #1-8
 5087 - 5150ft.

Location: SEC. 8 T36S R26E
 Test Type: BOTTOM HOLE CONVENTIONAL
 Formation: N/A

Recorder Number: 6021
 Recorder Depth: 5098 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P psi	PRESSURE (T+dt)/dt psi	PRESSURE SQUARED psi ² /10 ⁶
A	INITIAL HYDROSTATIC	0.00		2658.0	
B	START OF 1st FLOW	0.00		98.0	
	1st FLOW PERIOD	5.00	20.0	118.0	
		10.00	10.0	108.0	
		15.00	0.0	98.0	
		19.00	10.0	108.0	
		25.00	10.0	108.0	
C	END OF 1st FLOW	29.00	10.0	108.0	
	1st SHUTIN PERIOD	0.00	0.0	108.0	0.0000
		5.00	20.0	128.0	6.8000
		10.00	40.0	148.0	3.9000
		14.00	50.0	158.0	3.0714
		20.00	65.0	173.0	2.4500
		25.00	80.0	188.0	2.1600
		30.00	95.0	203.0	1.9667
		35.00	105.0	213.0	1.8286
		40.00	115.0	223.0	1.7250
		45.00	130.0	238.0	1.6444
		50.00	140.0	248.0	1.5800
		54.00	150.0	258.0	1.5370
		60.00	160.0	268.0	1.4833
D	END OF 1st SHUTIN	65.00	175.0	283.0	1.4462
E	START OF 2nd FLOW	0.00		83.0	
	2nd FLOW PERIOD	10.00	40.0	123.0	
		19.00	45.0	128.0	
		30.00	45.0	128.0	
		40.00	45.0	128.0	
		50.00	45.0	128.0	
F	END OF 2nd FLOW	59.00	65.0	148.0	
	2nd SHUTIN PERIOD	0.00	0.0	148.0	0.0000
		5.00	15.0	163.0	18.6000
		10.00	30.0	178.0	9.8000
		15.00	45.0	193.0	6.8667

JINTANA PETROLEUM CORP.
DST#: 2
MONUMENT BUTTE #1-8
5087 - 5150ft.

Page 2

Location: SEC. 8 T36S R26E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: N/A

Recorder Number: 6021
Recorder Depth: 5098 ft.

TIME-PRESSURE LISTING

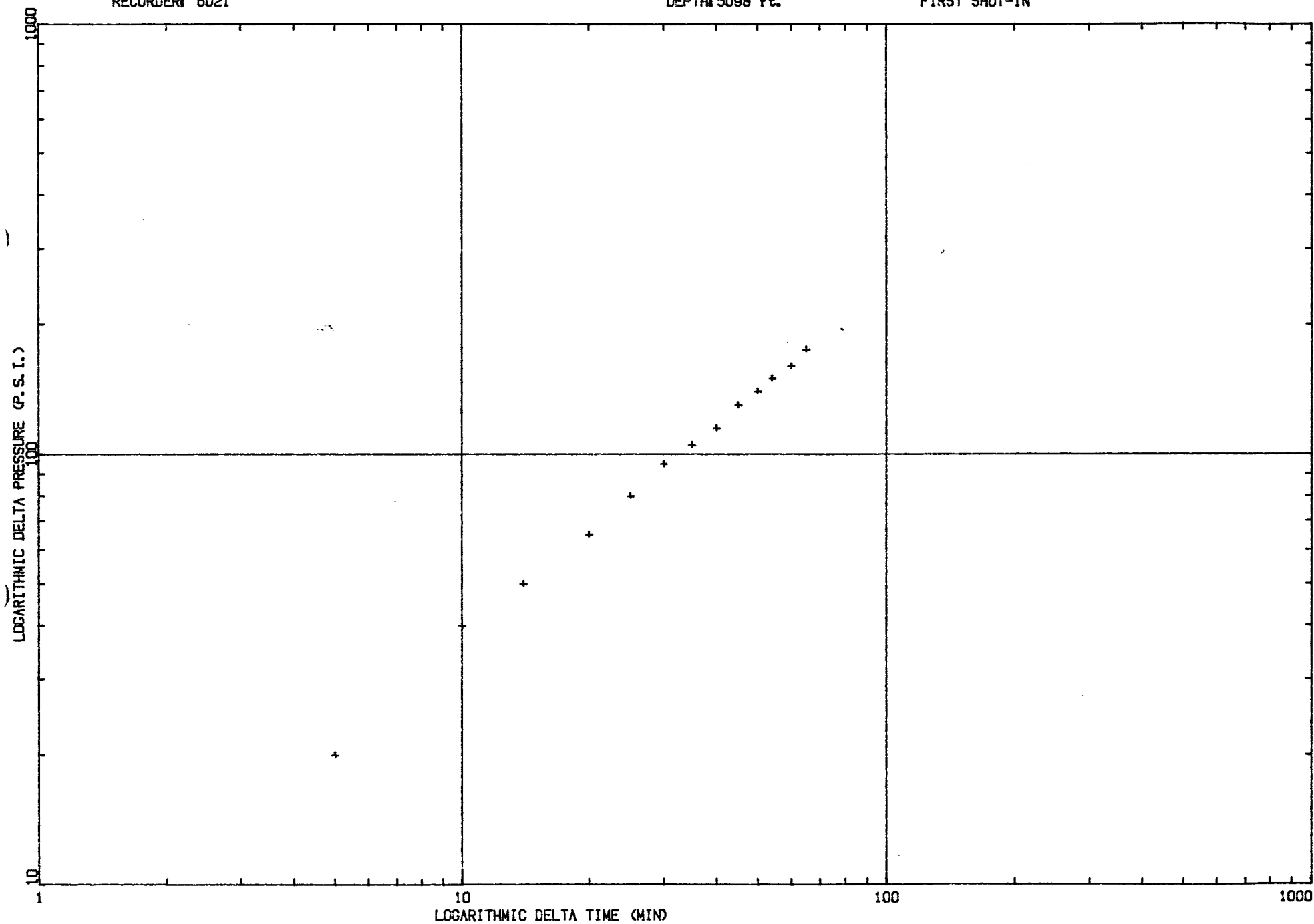
CHART LABEL	COMMENTS	TIME MIN.	DELTA P psi	PRESSURE (T+dt)/dt psi	ABSCISSA	PRESSURE SQUARED psi ² /10 ⁶
		20.00	60.0	208.0	5.4000	
		24.00	70.0	218.0	4.6667	
		30.00	90.0	238.0	3.9333	
		35.00	105.0	253.0	3.5143	
		40.00	125.0	273.0	3.2000	
		45.00	140.0	288.0	2.9556	
		50.00	155.0	303.0	2.7600	
		55.00	175.0	323.0	2.6000	
		60.00	190.0	338.0	2.4667	
		70.00	225.0	373.0	2.2571	
		80.00	260.0	408.0	2.1000	
		90.00	295.0	443.0	1.9778	
		100.00	335.0	483.0	1.8800	
		110.00	375.0	523.0	1.8000	
G	END OF 2nd SHUTIN	115.00	395.0	543.0	1.7652	
Q	FINAL HYDROSTATIC	0.00		2658.0		

* VALUES USED FOR EXTRAPOLATIONS

OPERATOR: QUINTANA PETROLEUM CORP.
LOCATION: SEC. 8 T98S R28E
RECORDER: 8021

WELL NAME: MONUMENT BUTTE #1-8
DST #: 2
DEPTH: 5098 ft.

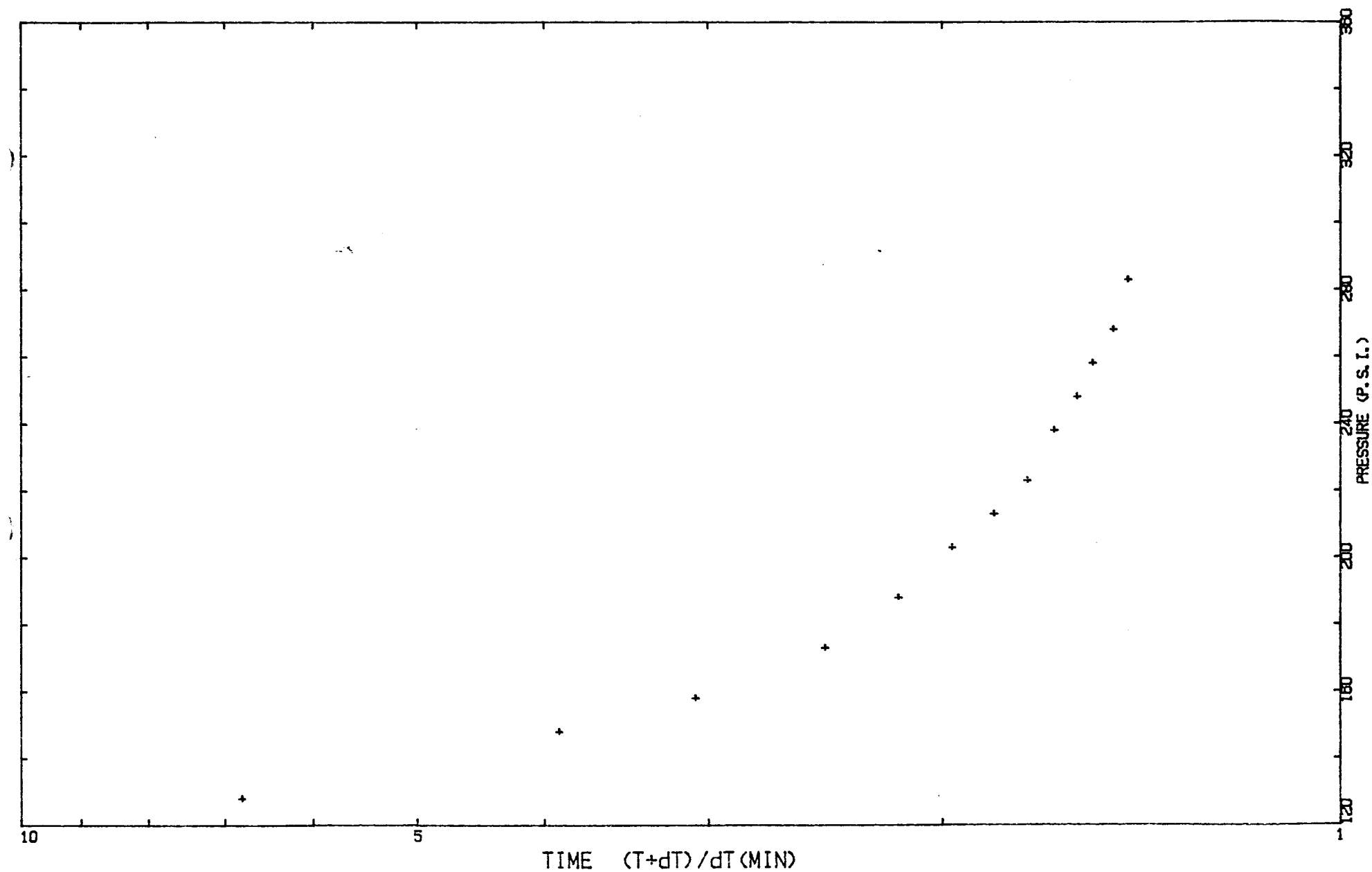
FIRST SHUT-IN



OPERATOR: QUINTANA PETROLEUM CORP.
WELL NAME: MONUMENT BUTTE #1-8
LOCATION: SEC. 8 T36S R26E
FIRST SHUT-IN
RECORDER: 8021

DST #: 2

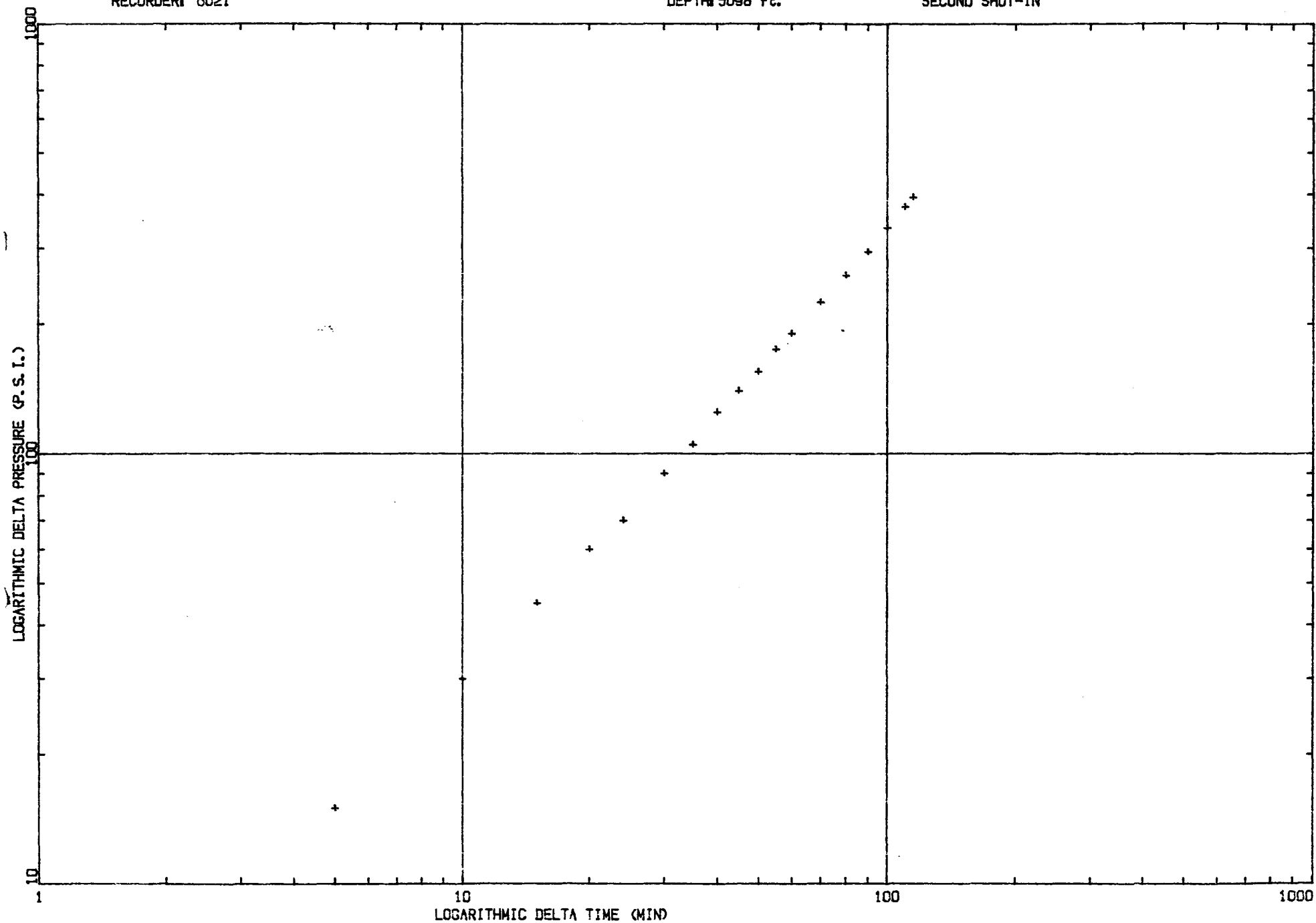
DEPTH: 5098 ft.



OPERATOR: QUINTANA PETROLEUM CORP.
LOCATION: SEC. 9 T38S R28E
RECORDER: 8021

WELL NAME: MONUMENT BUTTE #1-8
DST #: 2
DEPTH: 5098 ft.

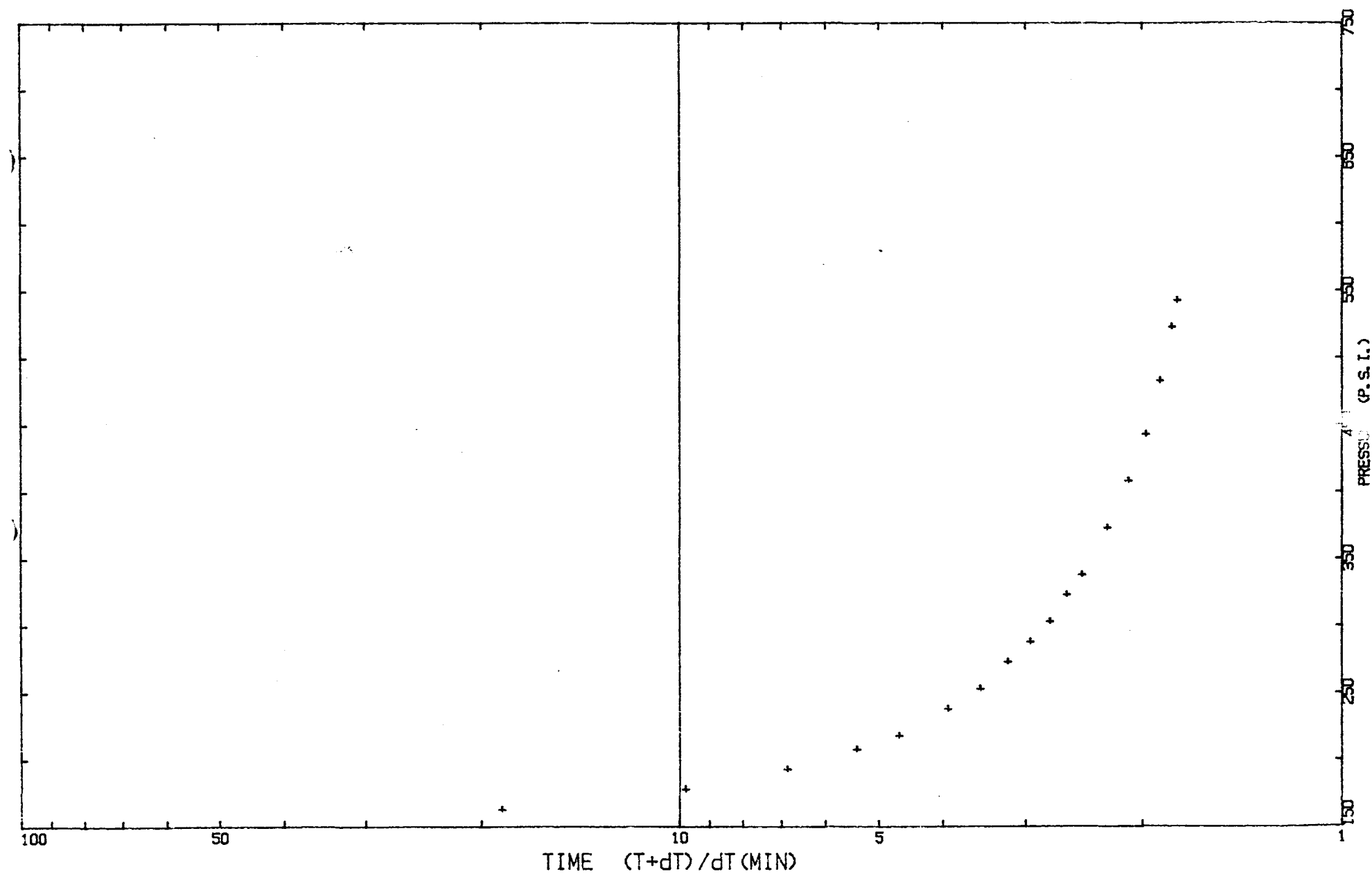
SECOND SHUT-IN



OPERATOR: QUINTANA PETROLEUM CORP.
WELL NAME: MONUMENT BUTTE #1-8
LOCATION: SEC. 8 T36S R26E
SECOND SHUT-IN
RECORDER: 6021

DST #: 2

DEPTH: 5098 ft.



QUINTANA PETROLEUM CORP.
DST#: 2
MONUMENT BUTTE #1-8
5087 - 5150ft.

Page 1

Location: SEC. 8 T36S R26E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: N/A

Recorder Number: 6021
Recorder Depth: 5098

SAMPLE DATA

SAMPLE CHAMBER:

Capacity of sample chamber	2150	cc
Volume of sample.....	1700	cc
Pressure in sampler.....	68	psig
Where sampler was drained...	on location	

Sampler contained:

Oil	200	cc	@	Degrees F
Mud	1500	cc		
Gas	.10	cu-ft		
GOR	80			

RESISTIVITY DATA:

Top.....!
Middle.....!
Bottom.....!
Sampler.....!
Mud pit.....!
Make-up Water...!

16 000 PPM NACL



LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 6021 CAP 10000 AT 5098 ft.

OPERATOR Quintana Petroleum Corp.

WELL NAME Monument Butte #1-8

TICKET NO. 00783

DST. NO. 2

00:30:30 T 100.107	04:50:30 T 110.187	06:02:30 T 111.187	07:14:30 T 112.187	08:26:30 T 113.067
Initial Hydro. -2657.50	187.500	127.500	277.500	537.500
2652.50	187.500	127.500	282.500	542.500
2647.50	192.500	127.500	282.500	2887.50
2642.50	192.500	127.500	287.500	2652.50
2642.50	197.500	127.500	287.500	2717.50
2642.50	197.500	127.500	292.500	2687.50
2642.50	202.500	127.500	297.500	2677.50
04:46:30 T 107.062	04:58:30 T 110.312	06:10:30 T 111.312	07:22:30 T 112.312	08:34:30 T 113.437
2717.50	207.500	127.500	302.500	Final Hydro. -2657.50
2707.50	207.500	127.500	307.500	2652.50
2657.50	212.500	127.500	312.500	2647.50
2652.50	212.500	127.500	312.500	2642.50
2647.50	217.500	127.500	317.500	2637.50
2642.50	217.500	127.500	322.500	2622.50
2762.50	222.500	127.500	322.500	2627.50
04:54:30 T 107.562	05:06:30 T 110.437	06:18:30 T 111.437	07:30:30 T 112.437	08:42:30 T 113.687
2767.50	222.500	127.500	332.500	2667.50
2767.50	227.500	127.500	332.500	2647.50
177.500	227.500	127.500	337.500	2637.50
Start 1st Flow -97.5000	232.500	127.500	342.500	2662.50
82.5000	232.500	127.500	342.500	2552.50
102.500	237.500	127.500	347.500	2617.50
112.500	237.500	127.500	352.500	2592.50
04:02:30 T 108.312	05:14:30 T 110.437	06:26:30 T 111.562	07:38:30 T 112.562	
117.500	242.500	127.500	357.500	
87.5000	247.500	132.500	362.500	
102.500	247.500	132.500	362.500	
87.5000	252.500	137.500	367.500	
107.500	252.500	142.500	372.500	
107.500	252.500	142.500	372.500	
92.5000	257.500	147.500	377.500	
04:10:30 T 108.812	05:22:30 T 110.562	06:34:30 T 111.687	07:46:30 T 112.562	
107.500	262.500	152.500	387.500	
97.5000	262.500	152.500	387.500	
97.5000	267.500	157.500	392.500	
107.500	267.500	162.500	397.500	
107.500	267.500	162.500	402.500	
107.500	272.500	167.500	402.500	
107.500	277.500	167.500	407.500	
04:18:30 T 109.187	05:30:30 T 110.687	06:42:30 T 111.812	07:54:30 T 112.687	
107.500	277.500	177.500	417.500	
107.500	282.500	177.500	417.500	
107.500	242.500	182.500	422.500	
107.500	282.500	182.500	427.500	
107.500	182.500	187.500	427.500	
107.500	112.500	192.500	432.500	
112.500	117.500	192.500	437.500	
04:26:30 T 109.562	05:38:30 T 110.812	06:50:30 T 111.937	08:02:30 T 112.812	
End 1st Flow -107.500	122.500	202.500	442.500	
112.500	122.500	202.500	447.500	
112.500	122.500	207.500	452.500	
117.500	122.500	207.500	457.500	
122.500	127.500	212.500	457.500	
127.500	122.500	217.500	462.500	
132.500	122.500	217.500	467.500	
04:34:30 T 109.812	05:46:30 T 110.937	06:58:30 T 112.062	08:10:30 T 112.937	
137.500	127.500	222.500	472.500	
142.500	122.500	227.500	477.500	
147.500	122.500	232.500	482.500	
147.500	122.500	232.500	487.500	
152.500	127.500	237.500	487.500	
152.500	122.500	242.500	492.500	
157.500	127.500	242.500	497.500	
04:42:30 T 109.937	05:54:30 T 111.062	07:06:30 T 112.062	08:18:30 T 112.937	
162.500	122.500	252.500	502.500	
167.500	127.500	252.500	507.500	
167.500	127.500	257.500	512.500	
172.500	122.500	262.500	517.500	
172.500	127.500	262.500	522.500	
177.500	127.500	267.500	522.500	
182.500	122.500	272.500	527.500	

QUINTANA PETROLEUM CORP.
DST#: 2
MONUMENT BUTTE #1-8
5087 - 5150ft.

Page 1

PRESSURE RECORDER NUMBER : 7661

DEPTH : 5075.00ft.
TYPE : K-3

LOCATION : INSIDE
CAPACITY : 4900.00psi

PRESSURE
psi

B)1st Flow Start: 53.0
C)1st Flow End : 78.0
E)2nd Flow Start: 90.0
F)2nd Flow End : 105.0



TEST TIMES(MIN)
1st FLOW : 29
SHUTIN: 65
2nd FLOW : 59
SHUTIN: 115

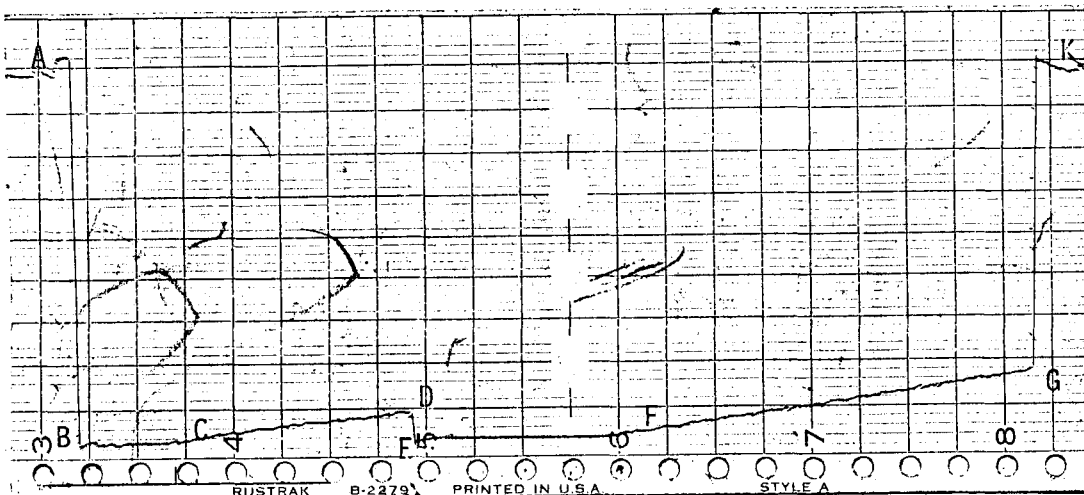
PRESSURE RECORDER NUMBER : 6021

DEPTH : 5098.00ft.
TYPE : DMR

LOCATION : OUTSIDE
CAPACITY : 10000.00psi

PRESSURE
psi

A)Initial Hydro : 2658.0
B)1st Flow Start: 98.0
C)1st Flow End : 108.0
D)END 1st Shutin: 283.0
E)2nd Flow Start: 83.0
F)2nd Flow End : 148.0
G)END 2nd Shutin: 543.0
H)Final Hydro. : 2658.0





STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

January 16, 1986

Quintana Petroleum Corporation
c/o Permitco, Inc.
1020 - 15th Street, Suite 22-E
Denver, Colorado 80202

Gentlemen:

Re: Well No. Moument Butte 1-8 - Sec. 8, T. 36S, R. 25E,
San Juan County, Utah - API # 43-037-31226

A recent inspection of the above referenced well indicates that the well has been spudded; however, this office has not received proper notification of spudding as requested in the letter of approval to drill.

It is also necessary to file monthly drilling reports.

Sincerely,


Tami Searing
Well Records Specialist

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0320/30



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

January 16, 1986

Quintana Petroleum Corporation
c/o Permitco, Inc.
1020 - 15th Street, Suite 22-E
Denver, Colorado 80202

Gentlemen:

Re: Well No. Moument Butte 1-8 - Sec. 8, T. 36S, R. 25E,
San Juan County, Utah - API # 43-037-31226

This letter is to advise you that the "Well Completion or Recompletion Report and Log" for the above referenced well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, and forward it to this office as soon as possible, but not later than January 31, 1986.

Sincerely,

Tami Searing
Tami Searing
Well Records Specialist

Enclosure
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0320/29

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Budget Bureau No. 1004-0155
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-56572
2. NAME OF OPERATOR QUINTANA PETROLEUM CORPORATION (303)628-9211		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 1050 - 17th Street, Suite 400, Denver, Colorado 80265		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 597' FSL & 2107' (SE SE SW)		8. FARM OR LEASE NAME Monument Butte
14. PERMIT NO.		9. WELL NO. #1-8
15. ELEVATIONS (Show whether DT, RT, OR, etc.) 6449' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 8, T36S-R25E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANE

PROGRESS REPORT

☐
☐
☐
☐
☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

☐
☐
☐
☐☐
☐
☐
☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SUMMARY OF OPERATIONS - As of 12/23/85

1. Moving in and rigging up up Exeter Rig #5.
Expect to spud 12/24/85.

RECEIVED

JAN 23 1986

DIVISION OF OIL
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Am Williams

TITLE Production Technician

DATE 12/23/85

(This space for Federal or State office use)

APPROVED BY ACCEPTED
CONDITIONS OF APPROVAL, IF ANY:

TITLE BRANCH OF FLUID MINERALS
MOAB DISTRICT

DATE 30 DEC 1985

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
(Other Instru
verse side)

PLICATE
as on re-

Form approved.
Budget Bureau No. 1004-0115
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-56572

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Monument Butte

9. WELL NO.

#1-8

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SUBST OR AREA

Section 8, T36S-R25E

14. PERMIT NO.

43-037-31226

15. ELEVATIONS (Show whether SP, ST, GR, etc.)

6449' GR

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

PROGRESS REPORT

XX

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Summary of Operations

1. Spud 1400 hrs 12/25/85.
2. Drilled to 2055'. Set and cemented 9 5/8" casing at 2051.97'.
3. Drilled to 5120'. Ran DST #1: 4960'-4995'.
4. Drilled to 5150'. Logged. Ran DST #2: 5087'-5150'.
5. Plugged and abandoned well. Rig released 0900 hrs. 1/13/86.

FINAL REPORT

RECEIVED

JAN 23 1986

DIVISION OF OIL
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

William

TITLE Production Technician

DATE 1/20/86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: State of Utah

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR
QUINTANA PETROLEUM CORPORATION (303)628-9211

3. ADDRESS OF OPERATOR
1050 - 17th Street, Suite 400, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 597' FSL & 2107' FWL (SE SE SW)
At top prod. interval reported below N/A
At total depth Same

14. PERMIT NO. 43-037-31226
DATE ISSUED 11/26/85
COUNTY OR PARISH San Juan Co.
STATE Utah

15. DATE SPUDDED 12/25/85
16. DATE T.D. REACHED 1/10/86
17. DATE COMPL. (Ready to prod.) P&A 1/13/86
18. ELEVATIONS (OF. RKB, RT, CB, ETC.)* 6449' GR
19. ELEV. CASINGHEAD 6459'

20. TOTAL DEPTH, MD & TVD 5150' MD
21. PLUG, BACK T.D., MD & TVD N/A
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY ROTARY TOOLS 0'-5150'
CABLE TOOLS N/A

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
DRY
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL/Guard, Spectral Density/Neutron, Velocity/Gamma, Wellbore Sample
27. WAS WELL CORED No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36#	2051.97'	12 1/4"	460 sxs Lite, 160 sxs "B"	None

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					N/A		

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
N/A		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		N/A	

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DRY						P&A	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED J. M. Williams TITLE Production Technician DATE 1/21/86

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
NO CORES.							
DST #1: 4960'-4995' (Hermosa formation)							
Times: 30/60/60/120							
IHP 2582							
FHP 2582							
IFP 52-57							
FFP 52-67							
ISIP 247							
FSIP 537							
Recovered 65' drilling mud.							
Sampler: 1000 cc mud, 0.13 cu.ft. gas.							
DST #2: 5087'-5150' (Hermosa formation)							
Times: 30/60/60/120							
IHP 2647							
FHP 2652							
IFP 102-107							
FFP 82-127							
ISIP 282							
FSIP 527							
BHT 113°							
Recovered 120' drilling mud with tr oil.							
Sampler: 68 psi, 1500 cc mud + 200 cc oil + 0.10 cu.ft. gas.							
Chinle							
Shinarump							
Moenkopi							
Hermosa							
2020'							
2655'							
2818'							
4757'							

EXPRESS MAIL ROUTE SLIP

PAM
TAMI
VICKY
CLAUDIA
STEPHANE
CHARLES
RULA
MARY ALICE
CONNIE
MILLIE

1-27 2:30

1-27 2:45

2:55

3:42

1-27 4:04

CD 1-27 4:12

CD 1-27 4:35

MAP 1-28 8:27

CD 1-28 847

VRS 1-28 1:50